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## Variation in modulus of elasticity (E) along *Acer platanoides* L.(Aceraceae) branches

GA Dahle, JC Grabosky - Urban forestry & urban greening, 2010 - Elsevier

Arborists and managers of amenity trees could benefit from an improved understanding of how tree canopies withstand loading events such as wind, snow or ice. Knowledge of how material properties change along tree branches is important in understanding how a ...

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## Modulus of elasticity of twin samples (wet and absolute dry) origin from Scots pine (*Pinus sylvestris* L.) trees broken by wind

A TOMCZAK, T JELONEK... - Ann. WULS- SGGW..., 2011 - annals-wuls.sggw.pl

Annals of Warsaw University of Life Sciences-SGGW Forestry and Wood Technology No 76, 2011: 149-153 (Ann. WULS-SGGW, Forestry and Wood Technology 76, 2011) Modulus of elasticity of twin samples (wet and absolute dry) origin from Scots pine (*Pinus sylvestris* L.) trees ...

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CJ Cieszewski, M Strub, F Antony, P Bettinger... - ... Forestry & Nature ..., 2013 - mcfn.com

Abstract We estimated wood quality parameters for a specific tree trunk using samples of this tree's branch, and auxiliary samples from other similar species, based on analysis of wood density, modulus of elasticity (MOE), and microfibril angle (MFA), measured with the near- ...

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## Impact of branch reorientation on breaking stress in *Liriodendron tulipifera* L.

JW Miesbauer, EF Gilman, FJ Masters... - Urban Forestry & Urban ..., 2014 - Elsevier

Abstract It has been observed that during ice, snow, and wind storms, branches oriented vertically tend to incur more damage than branches oriented horizontally. A study was conducted to determine breaking stress and breaking position of branches reoriented ...

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## Potential contribution of branchwood quantity, left after logging operations, towards reducing depletion rate and preserving Ghana's forest ecosystem

PK Dadzie - American Journal of Agriculture and ..., 2013 - article.sciencepublishinggroup.com

Abstract: The alarming depletion rate of Ghana's forests has become one major challenge facing the wood related industries, foresters and environmentalists. This is because, depletion of forest and wood lands do not only affect industrial and economic growth ...

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WW WARUNKACH, GPI LEŚNYCH - researchgate.net

Wzrost korzyści ekonomicznych uzyskanych z produktu zależy nie tylko od jego ilości, lecz także od jego jakości. Wydajność produkcji oraz końcowa jakość surowca drzewnego są uwarunkowane wieloma czynnikami, do których należy między innymi zmienność ...

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IPL Gheorgheni - 2008 - unitbv.ro

1. GURAU, L., MANSFIELD-WILLIAMS, H. and IRLE, M., 2005. Processing Roughness of Sanded Wood Surfaces. Holz als Roh und Werkstoff. 63 (1) February. 2005, pp. 43-52, ISSN 0018-3768. DOI 10.1007/s00107-004-0524-8. http://www.springerlink.com/content/0018- ...

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